

1 In the claims

I claim:

1. (original) A connection, comprising:
 - 5 a. an elongated tension member, having first and second ends, said elongated tension member being anchored at said second end;
 - b. a fastening member attached to said elongated tension member at said first end;
 - 10 c. a resisting member that receives said elongated tension member and is disposed between said fastening member and said second end of said tension member;
 - d. an expansion device that receives said elongated tension member there through and is compressively loaded between said fastening member and said resisting member by operation of said fastening member on said elongated tension member, said expansion device comprising,
 1. a surrounding sleeve, having two ends, and a central aperture through which said elongated tension member is inserted, wherein a portion of said central aperture is formed as a substantially cylindrical inner surface and wherein at least a portion of said cylindrical inner surface is formed with a thread;
 2. first and second bearing members received in said central aperture of said surrounding sleeve and operatively connected to said surrounding sleeve, said first and second bearing members also having apertures through which said elongated tension member is inserted, and wherein at least one of said bearing members has a cylindrical outer surface formed with a thread that mates with said thread of said cylindrical inner surface of said surrounding sleeve and is connected to said surrounding sleeve only by the mating attachment of said thread on said cylindrical outer surface with said thread of said surrounding sleeve, such that said at least one bearing member can rotate in relation to said surrounding sleeve, and said first and second bearing members are formed with outer axial ends that protrude out of said surrounding sleeve, said outer axial end of said first bearing member contacting said fastening member, and said

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1 outer axial end of said second bearing member contacting said
resisting member; and

3. a torsion spring connecting said first and second bearing
members, said torsion spring biasing said first and second
5 members in opposite rotational directions such that said at least
one of said bearing members is forced to rotate along said
thread of said surrounding sleeve away from said other bearing
member and out of said surrounding sleeve, said torsion spring
being disposed within said surrounding sleeve.

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2. (original) The connection of claim 1, wherein:

both of said bearing members have cylindrical outer surfaces formed
with threads that mate with said thread of said cylindrical inner
surface of said surrounding sleeve, and both of said bearing members
15 are connected to said surrounding sleeve only by the mating
attachment of said threads on said cylindrical outer surfaces with said
thread of said surrounding sleeve, such that both of said bearing
members can rotate in relation to said surrounding sleeve.

20 3. (original) The connection of claim 1, wherein:

a. said elongated tension member is at least partially formed with a
thread where said fastening member attaches to said elongated
tension member;
b. said fastening member attaches to said elongated tension
25 member by means of an internal thread that mates with said thread of
said elongated tension member; and
c. said thread of said surrounding sleeve is threaded in the
opposite direction as said thread of said elongated tension member.

30 4. (original) The connection of claim 1, wherein said expansion device
further comprises:

an inner sizing sleeve that is received by said surrounding sleeve and is
disposed between said torsion spring and said elongated tension
member.

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1 5. (original) The connection of claim 1, wherein said expansion device
further comprises:

5 a locking clip that is releasably attached to said expansion device, said
locking clip holding said first and second bearing members so as to
prevent them from rotating under said influence of said torsion spring
and causing said device to expand.

6. (original) The connection of claim 1, wherein said expansion device
further comprises:

10 a pair of annular seals disposed at said ends of said surrounding sleeve
to protect said thread of said surrounding sleeve.

Claim 7 (canceled)

15 8. (original) The connection of claim 1, wherein:

- a. said torsion spring is formed with first and second ends; and
- b. said first and second bearing members are formed with annular
recesses that can receive said ends of said torsion spring so that
expansion device can be made more compact.

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9. (original) The connection of claim 1, wherein:

- a. said elongated tension member has first and second ends and said
fastening member, resisting member and expansion member are
disposed near said first end; and
- 25 b. said second end of said elongated tension member is connected to
a structural member in a building.

10. (original) The connection of claim 9, wherein:

30 said building has a structural frame at least a portion of which is made
from wood.

11. (original) The connection of claim 2, wherein:

35 said thread of said surrounding sleeve near at least one of said ends of
said surrounding sleeve is disturbed so that it is not possible for a
bearing member traveling on said thread to pass all the way out of said
surrounding sleeve.

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12. (original) The connection of claim 11, wherein:

- a. said torsion spring is formed with first and second ends; and
- b. said first and second bearing members are formed with annular
5 recesses that can receive said ends of said torsion spring so that
expansion device can be made more compact.

13. (original) The connection of claim 12, wherein:

- a. said elongated tension member is at least partially formed with a
10 thread where said fastening member attaches to said elongated
tension member;
- b. said fastening member attaches to said elongated tension
member by means of an internal thread that mates with said thread of
said elongated tension member; and
- 15 c. said thread of said surrounding sleeve is threaded in the
opposite direction as said thread of said elongated tension member.

14. (original) The connection of claim 13, wherein said expansion device
further comprises:

- 20 an inner sizing sleeve that is received by said surrounding sleeve and is
disposed between said torsion spring and said elongated tension
member.

15. (currently amended) The connection of claim 14 ~~16~~, wherein said
25 expansion device further comprises:

- a locking clip that is releasably attached to said expansion device, said
locking clip holding said first and second bearing members so as to
prevent them from rotating under said influence of said torsion spring
and causing said device to expand.

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16. (original) The connection of claim 15, wherein said expansion device
further comprises:

- a pair of annular seals disposed at said ends of said surrounding sleeve
to protect said thread of said surrounding sleeve.

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17. (original) The connection of claim 2, wherein:

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1 said torsion spring connects to said first and second bearing members
near said outer axial ends of said bearing members.

18. (original) The connection of claim 1, wherein:

5 said thread of said surrounding sleeve near at least one of said ends of
said surrounding sleeve is disturbed so that it is not possible for a
bearing member traveling on said thread to pass all the way out of said
surrounding sleeve.

10 19. (original) The connection of claim 18, wherein:

 said torsion spring connects to said first and second bearing members
near said outer axial ends of said bearing members.

20. (original) The connection of claim 19, wherein said expansion device

15 further comprises:

 an inner sizing sleeve that is received by said surrounding sleeve and is
disposed between said torsion spring and said elongated tension
member.

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1 Remarks

Claim 7 is being canceled because claim 18 is identical and, therefore, duplicative.

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Claim 15 is being amended to depend from claim 14, as originally intended. As filed, this claim due to a clerical error was drafted as dependent from claim 16.

10 No new matter is added by these amendments.

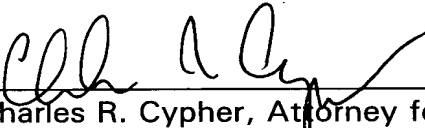
Conclusion

The undersigned wishes to state that if the Examiner has any
15 questions, the undersigned would be happy to try to answer them by telephone.

Respectfully submitted,

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